

Amendments to the Claims:

This listing of claims will replace all prior version, and listings, of the claims in the application:

Amendments to the Claims

Please cancel claims 1-31 without prejudice.

Claims 1-31 (canceled)

Please add following new claims 32-37:

32. (New) An electrical circuit, comprising:
an inductive element coupled between an input and an output of the electrical circuit;
a sensing circuit coupled to the input of the electrical circuit to measure an input voltage across the input of the electrical circuit;
an energy storage element coupled across the inductive element to hold energy received from the inductive element; and
a dissipative element coupled to the energy storage element and the sensing circuit, the dissipative element to discharge in response to the sensing circuit the energy held by the energy storage element.

33. (New) The electrical circuit of claim 32 wherein the dissipative element is coupled to discharge in response to the sensing circuit the energy held by the energy storage element to provide a clamp voltage across the inductive element.

34. (New) The electrical circuit of claim 33 wherein the clamp voltage provided across the inductive element is varied in response to the sensing circuit.

35. (New) The electrical circuit of claim 32 further comprising a diode coupled between the energy storage element and the inductive element to provide a unidirectional path to the energy storage element for the energy received from the inductive element.

36. (New) The electrical circuit of claim 32 further comprising a switch coupled in series with the inductive element.

37. (New) The electrical circuit of claim 36 wherein the dissipative element is coupled to discharge in response to the sensing circuit the energy held by the energy storage element to maintain a voltage across the switch below a switch voltage limit.